Chicago, Mod. Plat IC

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8/20/91

POLREP

Date: August 20, 1991
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Subject: Chicago Modern Plating Co., Chicago, IL
Polrep No: Polrep 26 and Final
Site No: JU
D.O. No: 7460-05-175
Response Auth.: CERCLA
NPL Status: NON-NPL
Start Date: February 6, 1991
Demobilization Date: August 19, 1991
Completion Date: August 20, 1991

SITUATION:

The Chicago Modern Plating Co. (CMP) site is a bankrupt metals plating facility which operated from 1929 through April 1990. Various plating-related chemicals, F008 plating vat bottoms, and F006 wastewater treatment sludge were stored in tanks and containers throughout the indoor and outdoor sections of the site. Other wastes including F007 spent cyanide plating baths, and F009 stripping and cleaning solutions, were also stored on site.

On January 31, 1991 the attorney for the property owner, Loraine Arendt, notified the ORC attorney John Tielsch of her inability to finance a removal action as planned within a December 6, 1990 Administrative Order by Consent (AOC). The ERCS contractor (ITEP), contracted O.H. Materials Corp. (OHM) to perform the removal action.

OHM completed treatment and disposal of all F006, F007, F008, and F009 waste streams. Stabilized F006/F008 sludge (250 cu yd) was disposed of in bulk at the CWM-CID Landfill. Treated F007/F009 wastewater was treated/disposed of in bulk at Envirite Corp (12,065 gallons) and at CyanoKem (33,150 gallons). Special non-hazardous waste and debris (480 cu yd) was disposed of at CWM-CID. OHM demobilized personnel on 08/09/91.

ACTIONS TAKEN:

The following actions were taken during the period of August 12, 1991 through August 19, 1991:

Midwest Asbestos Removal Service Inc. (Mars) completed the asbestos removal from the plating operations area of the building, in accordance with their contract. Mars removed approximately 20 cu yd of friable asbestos insulation from overhead piping, a boiler and a tank, and transite paneling from the site's shift office.

ITEP provided an Industrial Hygienist whom performed air monitoring and static clearance sampling of the asbestos removal areas. Static clearance samples for all asbestos removal areas were within the 0.01 fibers/cc maximum limit. The highest reading was 0.008 fibers/cc.

The OSC gave the site keys and alarm access code to the court appointed assets broker, as arranged with the bankrupcy trustee and site owner. Remaining sets of keys were locked in the site office.

NEXT STEPS:

The OSC Report will be completed in December 1991.

The assets broker will continue to liquidate the site's assets without the OSC's involvement, as all wastes have been removed from the site, and remaining plating equipment has been cleaned.

RESULTS ACHIEVED:

The following results were achieved during the removal action, as set forth in the action memo:

Saleable plating chemicals and uncontaminated equipment were relinquished to the assets broker for resale throughout the removal action.

All plating wastes, laboratory wastes, and debris were removed from the site for treatment/disposal as shown below.

Equipment which could not be cleaned of plating residues was dismantled and disposed of at CID Landfill. Other equipment including polytanks, steel clarifiers, blowers, pumps, etc. were cleaned and remain on site for resale by the assets broker.

The site's floors were cleaned and rinsed twice with hypochlorite solution and water to destroy residual cyanide. The site's floor drains remain sealed with concrete, and all dead sumps are covered with plywood.

[illegible] basement boiler room was locked and asbestos warning signs were posted on the door. As it is unclear as to whether the boiler insulation contains asbestos. The site's basement boiler room is isolated from past plating operations, and is not included in the removal action as set forth in the action memo.

WASTE TREATMENT, CONTAINMENT, AND DISPOSAL TABLE

Waste-stream	Medium	Quantity	Containment Migration Control	Treatment	Disposal To Date
Special Non-Haz	Solid Debris	480 cu yd	Roll off box	None	480 cu yd. CWM-CID
F006	Sludge	125 Drums	Drums to treat. room	Cement/ NaOCl	35 cu yd CWM-CID
F006/ F008	Sludge	215 cu yd	Indoor Waste Pile	Cement/ NaOCl	215 cu yd CWM-CID
F007/ F009	Waste-water	~40,000 gallons	Pools/Poly tanks	H_2SO_4 35% H_2O_2 NaHSO3	45,215 Envirite/ CyanoKEM
Lab. wastes	bottle and vials	189 misc.siz	189 bulked to pool #2	H2SO4 35% H2SO4	189 bulk Envirite
Hg,As waste	bottle and vials	6 misc. size (10lb)	boxed bottles	Labpack to 3 drums	3 drums D&L Disp. (10 lb)
Acid	Liquid	5,500 gallons	Bulked to pool 4	NaOH	Envirite/ CyanoKEM*
organic	liquid	100 gallons	Bulked to pool 3	H_2SO_4 35% H_2O_2	Envirite/ CyanoKEM*
organic	solids	86 gallons	Bulked to room 1	NaOCl/ Cement	CWM-CID*
friable asbest.	solid insul.	20 cu yd	wetted bagged	none	Streator Landfill 20 cu yd

* These materials are included in the 45,215 gallons of wastewater shipped to Envirite and CyanoKEM.

COST INFORMATION:

	AMOUNT BUDGETED	COST TO DATE
OHM	$1,571,420	$1,585,856*
TAT	$140,000	$138,980**

* This figure is estimated as of 8/15/91 and includes await bills.

** This figure is actual as of 8/10/91.